

US EPA ARCHIVE DOCUMENT

Appendix G. Equation for Calculating Home Range for Insect Eating Birds

Table G.1 and Figure G.1 depict the data reported by Schoener 1968 for species identified in field surveys associated with agricultural fields/orchards and adjacent habitats that are described in Appendix D.

Table G.1. Birds Cited by Schoener (1968) That Were Identified in Appendix D

Species (scientific name)	Species (common name)	Predominant Diet*	Additional diet items*	Mean body weight (g)**	Home Range (ha)
<i>Passerina cyanea</i>	Indigo bunting	insects	seeds, fruit	14.5	0.11
<i>Thryothorus ludovicianus</i>	Carolina wren	insects	seeds, fruit	21	0.12
<i>Icteria virens</i>	Yellow-breasted chat	insects	fruit	25.3	0.13
<i>Vireo griseus</i>	White-eyed vireo	insects	fruit	11.4	0.13
<i>Dendroica petechia</i>	Yellow warbler	insects	fruit	9.5	0.17
<i>Sialia sialis</i>	Eastern bluebird	insects	fruit	31.6	1.01
<i>Seiurus aurocapillus</i>	Ovenbird	insects	plant matter	19.4	1.01
<i>Sturnella magna</i>	Eastern meadowlark	insects	seeds	89	3.04
<i>Sturnella neglecta</i>	Western meadowlark	insects	seeds	97.7	3.04
<i>Guiraca caerulea</i>	Blue grosbeak	insects	seeds	28.4	6.19
<i>Tyrannus tyrannus</i>	Eastern kingbird	insects	fruit	39.5	8.38

*From: Gough et al. (1998).

**From Dunning (1984).

***From Schoener (1968)

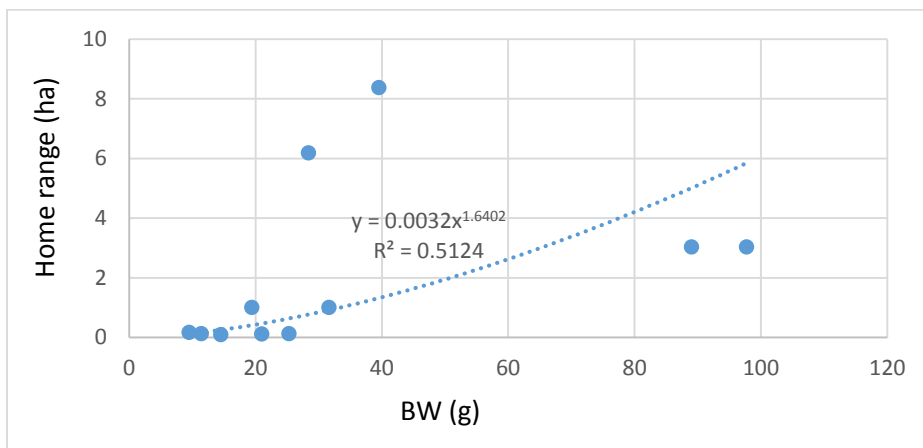


Figure G.1. Home Range and Body Weights of Species Included in Table G.1.